SIMATIC IT Unified Architecture Process Industries v1.2

Delivering project integration with full traceability and quality

Benefits

- Provide visibility into and synchronization with all manufacturing operations
- Facilitate native orchestration of heterogeneous activities
- Deliver full traceability of operations and materials
- Integrate manufacturing and quality
- Support SIMATIC BATCH (multiple versions)
- Offer a scalable, modular and extensible solution

Summary

SIMATIC IT Unified Architecture Process Industries is Siemens’ manufacturing execution system (MES) for the personal and home care, food and beverage and chemical specialties industries. Version 1.2 is based on four pillars: process management, integrated quality, performance-driven manufacturing and new product development and introduction (NPDI).

Enhancements to SIMATIC IT Unified Architecture v1.2

With process management, users receive detailed recipes and state-of-the-art order execution covering wall-to-wall manufacturing processes such as material receiving, continuous and batch processes while also including support for SIMATIC BATCH.

Integrated quality provides built-in quality management that handles sampling, analysis and evaluation of quality results. Seamlessly tied to manufacturing events, it is suitable for quality control and quality assurance solutions.

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The SIMATIC IT United Architecture Process Industries model delivers performance-driving manufacturing and is available in SIMATIC IT Manufacturing Intelligence, providing interactive dashboards for monitoring and analyzing production data.

NPDI is another pillar of v1.2 in the step-wise engineering of recipes from generic specifications, which are typically managed by product technology centers, now go to detailed master instructions that are ready for order planning and execution. In addition, the Batch Markup Language (BatchML) export-import function enables the exchange of recipes with external tools.

**Features**
- BPMN modeling and execution of manufacturing processes
- Management of complex and detailed production recipes
- Planning and enrichment of production orders
- Tight control of production order execution
- Modifiable production order procedure
- Seamless and reliable integration with SIMATIC BATCH

**Synchronize operations throughout the manufacturing landscape**

SIMATIC IT Unified Architecture Process Industries enables you to focus on orchestrating all activities of the individual plant and the manufacturing network so you can manufacture a quality product with the optimal resources at the right moment with full traceability.